

Firmware Update Manual

for Sony Cyber-shot digital still cameras - DSC-T1

The term "Firmware" refers to the software in your Cyber-shot camera. You can update this software to solve problems or to add new functions to your still camera, by basically downloading a new firmware-file, copying it onto Memory Stick Duo / Memory Stick PRO Duo, and inserting this Memory Stick Duo/ Memory Stick Pro Duo into the camera. It is not possible to return to a previous firmware version after updating this firmware. By continuing this update process and downloading and updating this firmware, you acknowledge that you are aware and understand that this update cannot be reversed. In case of any problem, please contact your local Sony Service Center.

Here's how.

Before you start reading these instructions, check out if your PC is equipped either with a Memory Stick slot/ Memory Stick adapter or with a USB plug.

PC with Memory Stick slot or Memory Stick adapter

- In case your PC features a Memory Stick slot or Memory Stick adapter, always read the left column.

PC with USB plug only (via the supplied cradle station)

- In case your PC features a USB-plug but no Memory Stick slot or Memory Stick adapter, always read the right column...

...whenever a line is separating the page into two columns, as shown above.

What you need...

- A Cyber-shot camera with all-mains set (originally supplied AC power adapter, AC-LM5)

Without using AC adapter, it can lead to a major defect in your Cyber-shot camera, which is not covered by the warranty.

- A formatted Memory Stick Duo / Memory Stick PRO Duo.

If the Memory Stick is not new, or not formatted by your camera, problems may occur.

- A PC with Internet access and

- Memory Stick slot / Memory Stick adapter



Sample Image
(sample image)

USB port via the supplied cradle



Sample Image
(sample image)

System requirements

Microsoft Windows® 98/ 98SE/ ME/ 2000Professional/
XP Professional/ XP Home Edition

Mac OS 9.1/ 9.2/ X v10.0/ X v10.1/ X v10.3

Installed Memory: 32MB or more

Available Hard Disk Space: 5MB or more

- Memory Stick slot / Memory Stick adapter installed and working

- Your Cyber-shot camera on the supplied cradle station, connected to the PC with the supplied USB cable, installed and working

... and how you proceed

Start your computer. In Windows2000 and XP ®, log in as administrator or make sure you have administrator rights and permissions to download, extract and copy the firmware-file.

Step 1 - Download the firmware update file to your PC

- Make sure no program is running.
- Go to the Sony page <http://www.sonydigital-link.com/DIME/firmware/firmware.asp>
- Select the camera you want to update.
- Please accept the license agreement. Please note that any download of firmware is subject to Sony's Terms and Conditions of Website Use or the relevant License Agreement accompanying the download!
- Download the firmware update file to your PC, and double-click it to be extracted (this might happen automatically, depending on your system settings).

Step 2 - Copy the firmware update file to the Memory Stick Duo / Memory Stick PRO Duo and load it to your camera

- Put the (new or formatted) Memory Stick Duo media into your PC Memory Stick slot with Memory Stick adapter.
- Select the extracted firmware-file, right-click the file and select [copy] from the menu
- Open the Memory Stick media drive
- Paste the copied file into the Memory Stick's root directory (i.e., do not copy it into a folder).
- After the copy-process is complete, take out the Memory Stick Duo media, in order to proceed with the next step below.

Before you proceed: In order to establish a properly set-up USB connection, please refer to the instruction-manual of your camera!

- Connect your Cyber-shot camera to your PC by USB cable via the originally supplied USB Cradle, as explained in the instruction-manual.
- Put the (new or formatted) Memory Stick Duo media into your camera.
- Select the extracted firmware-file, right-click the file and select [copy] from the menu
- Open the Memory Stick media drive
- Paste the copied file to the Memory Stick's root directory (i.e., do not copy it into a folder).
- Turn the camera off, and disconnect the USB-cable.

Step 3 - Install the firmware update file on your camera

Before you proceed: *If the power runs out during the update, this can make your Cyber-shot camera inoperable! Therefore please use the originally supplied AC adapter as power-source.*

- Make sure the camera is powered, but switched off
- Insert the Memory Stick Duo containing the firmware-file into your camera.
- Turn the camera's mode-switch to PLAY Mode.



(sample image)

- While pressing the menu button, turn the camera on.



(sample image)

Although the firmware is already copied in the Memory Stick at this time, you can see the message of "No file in this folder" on the LCD screen. This is normal (not failure). Please go ahead to the next step.

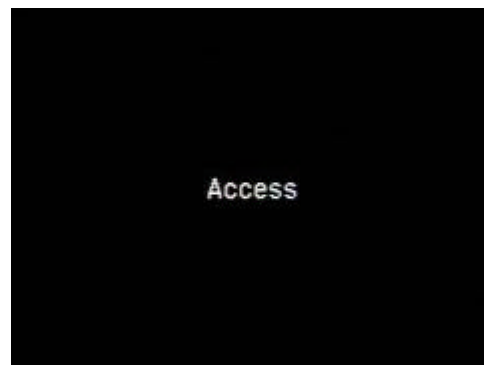
- On the camera-screen-menu, select SETUP 2 > VERSION.

- Then it will show the CURRENT VERSION of the firmware.



(sample image)

- At „Version“, you will find a menu, where you need to select „Update“. „Access“ will be shown on a black screen again.



(sample images)

- If an error is shown at this step or during the rest of the updating-process, please refer to the section „problems that may occur“ in this document.
- Check and compare the version-numbers that are shown. If the NEW VERSION number is higher than the CURRENT VERSION number, select OK. Else select CANCEL and stop the procedure, for you already have the latest version installed on your camera, or you did not download the latest version from the website.



(sample image)

- Select OK again to proceed



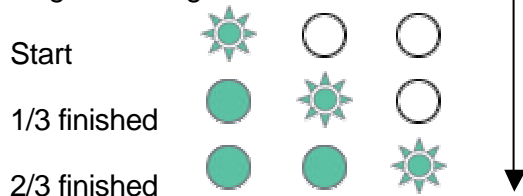
(sample image)

- As the firmware update is executed, you will see three circle signs. The circle signs will begin to blink and then turn on one-by-one. Once all three circles are lit, the update is finished. The text „Finished – Turn off and on again“ appears on the screen.



(sample image)

<signs blinking>



- Turn the camera off.



(sample image)

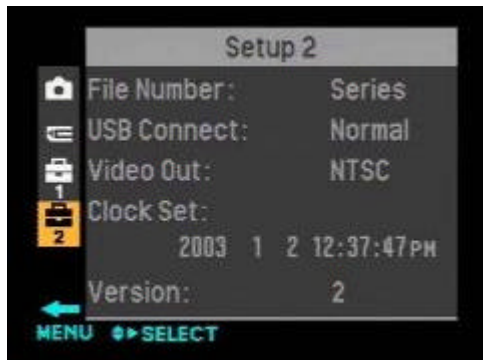
Please push the “RESET” button by some sharp-pointed stuff, then set data mentioned below again before you check the firmware version number, because after pushing the reset button those data are initialised.

Volume, Beep, Metering Mode, White Balance, ISO, Picture Effect, Sharpness, Saturation, Contrast, Scene Selection, EV, AF Range Finder Frame, Multi Burst Shutter Interval, AF Mode, Digital Zoom, AF Illuminator,

BRK (Bracket Step), Macro Mode, Flash Mode, Slide (Interval, Image, Repeat), OSD On/Off, Histogram On/Off, LCD Backlight On/Off, Picture Quality, Image Size, Camera Mode, Date/Time, Control Button Position, Flash Level, Red Eye Reduction, USB Connect

Step 4 - Check the firmware version in your camera

- Turn the mode-switch to PLAY mode.
- While pressing the menu button, turn the camera on.
- Select SETUP 2 > VERSION and check the Version number.
- It should be the new one.



(sample image)

- Format Memory Stick Duo media in your camera after the completion of firmware update

- That's it for the firmware update...

Problems that may occur

- **Error 10**



(sample image)

Cause: The update has failed.

Solution: Unplug AC power supply adapter.

Proceed: **Re-updating** (see next chapter)

- **Error 20: No software file**



(sample image)

Cause: No file was found on the Memory Stick Duo media.

Proceed: **Copy the firmware update file to your Memory Stick Duo**
(refer to Step 2)

If this doesn't work,
proceed: **Download the firmware update file to your PC**
(refer to Step 1)

- **Error 30: Format Memory Stick Duo media before use**



(sample image)

Cause: Other files or folders may exist on the Memory Stick Duo media

Solution: Follow the instruction manual that came with your Cyber-shot camera to format the Memory Stick Duo media.

Proceed: **Copy the firmware update file to your Memory Stick** (refer to Step 2)

- **Error 40: Invalid file**



(sample image)

Causes:

- The file on your Memory Stick Duo media is not valid
- You tried to downgrade the camera

- You tried to upgrade your camera with the wrong software
- The file on the Memory Stick Duo media is not containing firmware
- You already have the same version in the camera.

Proceed: **Check the firmware version in your camera and Download the latest firmware update file to your PC** (refer to Step 1)

- **If the circles are not fully lit, and they do not blink for over 30 seconds:**

Cause: The update has failed.

Solution: Unplug AC power supply adapter.

Proceed: **Re-updating** (see next chapter)

Re-updating procedure in case of error 10 or if the circles are not fully lit, and they do not blink for over 30 seconds: Memory Stick PRO Duo is not available for re-updating. Only „blue“ Memory Stick Duo is applicable for this operation.

- Leave the Memory Stick Duo in the camera.
- Unplug AC power supply adapter.
- Wait for 5 seconds.
- Plug in the AC power supply adapter.
- The red Memory Stick Duo access lamp will turn on. The camera's screen stays black.
- Approximately 2 minutes later, the red Memory Stick access light will turn off.



(Sample Image)

Please push the "RESET" button by some sharp-pointed stuff, then set data mentioned below again before you check the firmware version number, because after pushing the reset button those data are initialised.

Volume, Beep, Metering Mode, White Balance, ISO, Picture Effect, Sharpness, Saturation, Contrast, Scene Selection, EV, AF Range Finder Frame, Multi Burst Shutter Interval, AF Mode, Digital Zoom, AF Illuminator, BRK (Bracket Step), Macro Mode, Flash Mode, Slide (Interval, Image, Repeat), OSD On/Off, Histogram On/Off, LCD Backlight On/Off, Picture Quality, Image Size, Camera Mode, Date/Time, Control Button Position, Flash Level, Red Eye Reduction, USB Connect

Check the firmware version in your camera

- Turn the mode-switch to PLAY mode.
- While pressing the menu button, turn the camera on.
- Select SETUP 2 > VERSION and check the Version number.
- It should be the new one.

Possible problems during re-updating

If the access lamp of the Memory Stick blinks during re-updating or the access lamp doesn't turn off after 3 minutes, a failure may have occurred with the camera or the Memory Stick.

Solution: Please contact a local Sony Service Center for repair options.

(C) Copyright 2003 Sony Europa BV, all rights reserved.

Sony, Cyber-shot, Memory Stick, Memory Stick PRO, Memory Stick Duo, and Memory Stick PRO Duo are registered trademarks of Sony Corporation, Japan. Other names and products may be trademarks of their respective owners.